


| STATE OF UTAH<br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS AND MINING  |           |                 |  |  |  | FORM 3<br>AMENDED REPORT <input type="checkbox"/>  |                            |                                |       |        |
|--|-----------|-----------------|--|--|--|--|----------------------------|--------------------------------|-------|--------|
| <b>APPLICATION FOR PERMIT TO DRILL</b>   |           |                 |  |  |  | 1. WELL NAME and NUMBER<br>Wiscombe 2-11B1   |                            |                                |       |        |
| 2. TYPE OF WORK<br>DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/> |           |                 |  |  |  | 3. FIELD OR WILDCAT<br>BLUEBELL  |                            |                                |       |        |
| 4. TYPE OF WELL<br>Oil Well Coalbed Methane Well: NO   |           |                 |  |  |  | 5. UNIT or COMMUNITIZATION AGREEMENT NAME  |                            |                                |       |        |
| 6. NAME OF OPERATOR<br>EP ENERGY E&P COMPANY, L.P.   |           |                 |  |  |  | 7. OPERATOR PHONE<br>713 997-5038  |                            |                                |       |        |
| 8. ADDRESS OF OPERATOR<br>1001 Louisiana, Houston, TX, 77002   |           |                 |  |  |  | 9. OPERATOR E-MAIL<br>maria.gomez@epenergy.com   |                            |                                |       |        |
| 10. MINERAL LEASE NUMBER<br>(FEDERAL, INDIAN, OR STATE)<br>Fee   |           |                 | 11. MINERAL OWNERSHIP<br>FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>       |  |  | 12. SURFACE OWNERSHIP<br>FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |                            |                                |       |        |
| 13. NAME OF SURFACE OWNER (if box 12 = 'fee')<br>Karen Wiscombe Barber, Trustee  |           |                 |  |  |  | 14. SURFACE OWNER PHONE (if box 12 = 'fee')<br>623-249-8429  |                            |                                |       |        |
| 15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')<br>22251 W. Eagle Mountain Road, Buckeye, AZ 85326  |           |                 |  |  |  | 16. SURFACE OWNER E-MAIL (if box 12 = 'fee')   |                            |                                |       |        |
| 17. INDIAN ALLOTTEE OR TRIBE NAME<br>(if box 12 = 'INDIAN')  |           |                 | 18. INTEND TO COMMINGLE PRODUCTION FROM<br>MULTIPLE FORMATIONS<br>YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/> |  |  | 19. SLANT<br>VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>                               |                            |                                |       |        |
| 20. LOCATION OF WELL   |           | FOOTAGES        |  | QTR-QTR  | SECTION  | TOWNSHIP   | RANGE                      | MERIDIAN                       |       |        |
| LOCATION AT SURFACE  |           | 792 FNL 900 FWL |  | NWNW   | 11   | 2.0 S  | 1.0 W                      | U                              |       |        |
| Top of Uppermost Producing Zone  |           | 792 FNL 900 FWL |  | NWNW   | 11   | 2.0 S  | 1.0 W                      | U                              |       |        |
| At Total Depth   |           | 792 FNL 900 FWL |  | NWNW   | 11   | 2.0 S  | 1.0 W                      | U                              |       |        |
| 21. COUNTY<br>UINTAH   |           |                 | 22. DISTANCE TO NEAREST LEASE LINE (Feet)<br>792   |  |  | 23. NUMBER OF ACRES IN DRILLING UNIT<br>640  |                            |                                |       |        |
|  |           |                 | 25. DISTANCE TO NEAREST WELL IN SAME POOL<br>(Applied For Drilling or Completed)<br>1250   |  |  | 26. PROPOSED DEPTH<br>MD: 13250 TVD: 13250   |                            |                                |       |        |
| 27. ELEVATION - GROUND LEVEL<br>5106   |           |                 | 28. BOND NUMBER<br>400JU0708   |  |  | 29. SOURCE OF DRILLING WATER /<br>WATER RIGHTS APPROVAL NUMBER IF APPLICABLE<br>Roosevelt City   |                            |                                |       |        |
| <b>Hole, Casing, and Cement Information</b>  |           |                 |  |  |  |  |                            |                                |       |        |
| String   | Hole Size | Casing Size     | Length   | Weight   | Grade & Thread   | Max Mud Wt.  | Cement                     | Sacks                          | Yield | Weight |
| Cond   | 20        | 13.375          | 0 - 1000   | 54.5   | J-55 LT&C  | 8.8  | Class G                    | 1241                           | 1.15  | 15.8   |
| Surf   | 12.25     | 9.625           | 0 - 4950   | 40.0   | N-80 LT&C  | 9.5  | 35/65 Poz                  | 713                            | 3.16  | 11.0   |
|  |           |                 |  |  |  |  | Premium Lite High Strength | 191                            | 1.33  | 14.2   |
| I1   | 8.75      | 7               | 0 - 9800   | 29.0   | P-110 LT&C   | 11.0   | Premium Lite High Strength | 310                            | 2.31  | 12.0   |
|  |           |                 |  |  |  |  | Premium Lite High Strength | 91                             | 1.91  | 12.5   |
| L1   | 6.125     | 4.5             | 9600 - 13250   | 13.5   | P-110 LT&C   | 14.0   | 50/50 Poz                  | 299                            | 1.45  | 15.4   |
| <b>ATTACHMENTS</b>   |           |                 |  |  |  |  |                            |                                |       |        |
| <b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>  |           |                 |  |  |  |  |                            |                                |       |        |
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER   |           |                 |  |  | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN                 |  |                            |                                |       |        |
| <input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)  |           |                 |  |  | <input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER |  |                            |                                |       |        |
| <input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)  |           |                 |  |  | <input checked="" type="checkbox"/> TOPOGRAPHICAL MAP                      |  |                            |                                |       |        |
| NAME Maria S. Gomez  |           |                 |  | TITLE Principal Regulatory Analyst   |  |  |                            | PHONE 713 997-5038             |       |        |
| SIGNATURE  |           |                 |  | DATE 08/28/2012  |  |  |                            | EMAIL maria.gomez@epenergy.com |       |        |
| API NUMBER ASSIGNED<br>43047530660000  |           |                 |  | APPROVAL<br><br>Permit Manager |  |  |                            |                                |       |        |

**Wiscombe 2-11B1  
Sec. 11, T2S, R1W  
DUCHESNE COUNTY, UT**

**EP ENERGY E&P COMPANY, L.P.**

**DRILLING PROGRAM**

**1. Estimated Tops of Important Geologic Markers**

| <u>Formation</u>    | <u>Depth</u> |
|---------------------|--------------|
| Green River (GRRV)  | 4,858'       |
| Green River (GRTN1) | 6,678'       |
| Mahogany Bench      | 7,323'       |
| L. Green River      | 8,533'       |
| Wasatch             | 9,663'       |
| T.D. (Permit)       | 13,250'      |

**2. Estimated Depths of Anticipated Water, Oil, Gas or Mineral Formations:**

| <u>Substance</u> | <u>Formation</u>    | <u>Depth</u> |
|------------------|---------------------|--------------|
|                  | Green River (GRRV)  | 4,858'       |
|                  | Green River (GRTN1) | 6,678'       |
|                  | Mahogany Bench      | 7,323'       |
| Oil              | L. Green River      | 8,533'       |
| Oil              | Wasatch             | 9,663'       |

**3. Pressure Control Equipment: (Schematic Attached)**

A 4.5" by 20.0" rotating head on structural pipe from surface to 1,000'. A 4.5" by 13 3/8" Smith Rotating Head and 5M Annular from 1,000' to 4,950' on Conductor. A 5M BOP stack, 5M Annular, and 5M kill lines and choke manifold used from 4,950' to 9,800'. A 10M BOE w/rotating head, 5M annular, blind rams & mud cross from 9,800' to TD. The BOPE and related equipment will meet the requirements of the 5M and 10M system.

**OPERATORS MINIMUM SPECIFICATIONS FOR BOPE:**

The surface casing will be equipped with a flanged casing head of 5M psi working pressure. An 11" 5M x 11" 10M spool, 11" x 10M psi BOP and 5M psi Annular will be nipped up on the surface casing and tested to 250 psi low test / 3,000 psi high test for 10 minutes each prior to drilling out. The surface casing will be tested to 1,000 psi. for 30 mins. Intermediate casing will be tested to the greater of 1500 psi or 0.22 psi/ft. The choke manifold equipment, upper Kelly cock, floor safety valves will be tested to 5M psi. The annular preventer will be tested to 250 psi low test and 4,000 psi high test. The 10M BOP will be installed

with 3 ½" pipe rams, blind rams, mud cross and rotating head from intermediate shoe to TD. The BOPE will be hydraulically operated.

In addition, the BOP equipment will be tested after running intermediate casing, after any repairs to the equipment and at least once every 30 days. Pipe and blind rams will be activated on each trip, annular preventer will be activated weekly and weekly BOP drills will be held with each crew.

**Statement on Accumulator System and Location of Hydraulic Controls:**

Precision Rig # 406 is expected to be used to drill the proposed well. Operations will commence after approval of this application. Manual and/or hydraulic controls will be in compliance with 5M and 10M psi systems.

**Auxiliary Equipment:**

- A) Pason monitoring systems with gas monitor 1,000' – TD.
- B) Mud logger with gas monitor – 4,950' to TD
- C) Choke manifold with one manual and one hydraulic operated choke
- D) Full opening floor valve with drill pipe thread
- E) Upper and lower Kelly cock
- F) Shaker, de-sander and de-silter, and centrifuge.

**4. Proposed Casing & Cementing Program:**

Please refer to the attached Wellbore Diagram.

All casing will meet or exceed the following design safety factors:

- Burst = 1.00
- Collapse = 1.125
- Tension = 1.2 (including 100k# overpull)

Cement design calculations will be based on: 25% excess over gauge hole in the liner section, 10% excess over gauge hole in the intermediate section, and 75% excess on the lead and 50% excess on the tail over gauge hole volume for the surface hole. Actual volumes pumped will be a minimum of the volumes stated above, however, actual hole size will be based on caliper logs in the liner and intermediate sections. Gauge hole will be used for the surface section.

**5. Drilling Fluids Program:**

Proposed Mud Program:

| Interval     | Type | Mud Weight  |
|--------------|------|-------------|
| Surface      | WBM  | 8.8 – 9.5   |
| Intermediate | WBM  | 9.5 – 11.0  |
| Production   | WBM  | 11.0 – 14.0 |

Anticipated mud weights are based on actual offset well bottom-hole pressure data. Mud weights utilized may be somewhat higher to allow for trip margin and to provide hole stability for running logs and casing.

Visual mud monitoring equipment will be utilized.

6. **Evaluation Program:**

Logs:

Mud Log: 4,950' - TD.

Open Hole Logs: Gamma Ray, Neutron-Density, Resistivity, Sonic, from base of surface casing to TD.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 13,250' TD equals approximately 9,646 psi. This is calculated based on a 0.728 psi/foot gradient (14.0 ppg mud density at TD).

Maximum anticipated surface pressure equals approximately 6,731 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

Maximum anticipated surface pressure based on frac gradient at 7" casing shoe is 0.8 psi/ft at 9,900' = 7,840 psi

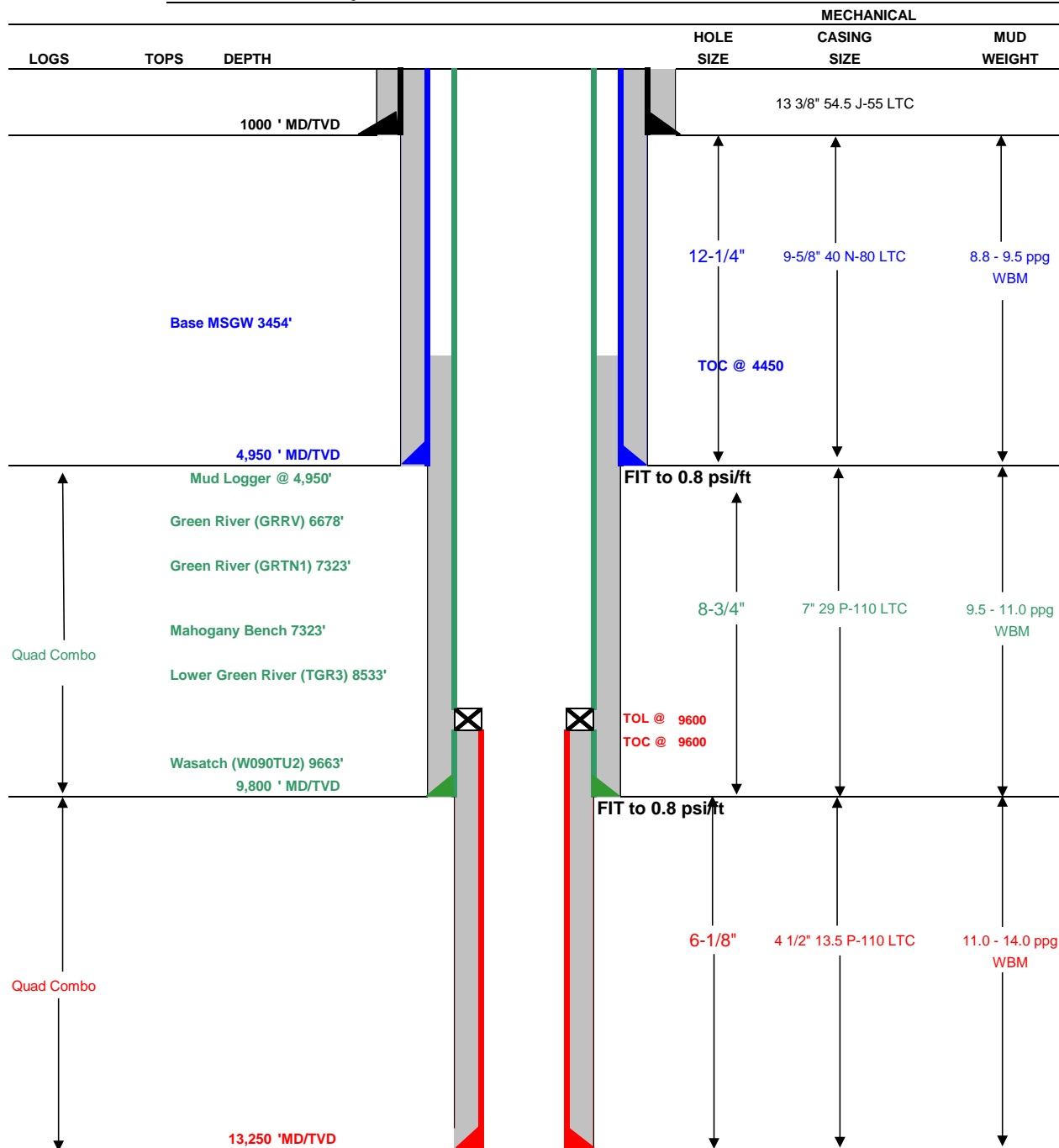
BOPE and casing design will be based on the lesser of the two MASPs which is 6,731 psi.

8. **OPERATOR REQUESTS THAT THE PROPOSED WELL BE PLACED ON CONFIDENTIAL STATUS.**



## Drilling Schematic

|   |                           |
|---|---------------------------|
| Company Name: <b>EP ENERGY</b>  | Date: August 23, 2012     |
| Well Name: <b>Wiscombe 2-11B1</b>   | TD: 13,250                |
| Field, County, State: <b>Altamont - Bluebell, Duchesne, Utah</b>  | AFE #:                    |
| Surface Location: <b>Sec 11 T2S R1W 792' FNL 900' FWL</b>   | BHL: <b>Straight Hole</b> |
| Objective Zone(s): <b>Green River, Wasatch</b>  | Elevation: <b>5106</b>    |
| Rig: <b>Precision 406</b>   | Spud (est.):              |
| BOPE Info: <b>5.0 x 13 3/8 rotating head from 1,000' to 4,950' 11 5M BOP stack and 5M kill lines and choke manifold used from 4,950' to 9,800' 11 10M BOE w/rotating head, 5M annular, 3.5 rams, blind rams &amp; mud cross from 9,800' to TD</b> |                           |



**DRILLING PROGRAM**

| CASING PROGRAM   | SIZE    | INTERVAL |       | WT.   | GR.   | CPLG. | BURST  | COLLAPSE | TENSION |
|------------------|---------|----------|-------|-------|-------|-------|--------|----------|---------|
| CONDUCTOR        | 13 3/8" | 0        | 1000  | 54.5  | J-55  | LTC   | 2,730  | 1,140    | 1,399   |
| SURFACE          | 9-5/8"  | 0        | 4950  | 40.00 | N-80  | LTC   | 3,090  | 5,750    | 820     |
| INTERMEDIATE     | 7"      | 0        | 9800  | 29.00 | P-110 | LTC   | 11,220 | 8,530    | 797     |
| PRODUCTION LINER | 4 1/2"  | 9600     | 13250 | 13.50 | P-110 | LTC   | 12,410 | 10,680   | 338     |

| CEMENT PROGRAM   |      | FT. OF FILL | DESCRIPTION   | SACKS | EXCESS | WEIGHT   | YIELD |
|------------------|------|-------------|---|-------|--------|----------|-------|
| CONDUCTOR        |      | 1000        | Class G + 3% CACL2  | 1241  | 100%   | 15.8 ppg | 1.15  |
| SURFACE          | Lead | 4,450       | Boral Craig POZ 35%, Mountain G 65%, Bentonite Wyoming 8%, Silicate 5 lbm/sk, Pol-E Flake 0.125 lbm/sk, Kwik Seal 0.25 lb/sk                      | 713   | 75%    | 11.0 ppg | 3.16  |
|                  | Tail | 500         | Halco-light premium+3 lb/sk Silicate+0.3% Econolite+1% Salt+0.25 lbm/sk Kol-Seal+0.24 lb/sk Kwik Seal+ HR-5                                       | 191   | 50%    | 14.2 ppg | 1.33  |
| INTERMEDIATE     | Lead | 4,350       | Halco-Light-Premium+4% Bentonite+0.4% Econolite+0.2% Halad322+3 lb/sk Silicalite Compacted+0.8% HR-5+ 0.125 lb/sk Poly-E-Flake                    | 310   | 10%    | 12.0 ppg | 2.31  |
|                  | Tail | 1,000       | Halco-Light-Premium+0.2% Econolite+0.3% Versaset+0.2% Halad322+0.8% HR-5+ 0.3% SuperCBL+ 0.125 lb/sk Poly-E-Flake                                 | 91    | 10%    | 12.5 ppg | 1.91  |
| PRODUCTION LINER |      | 3,650       | Halco- 50/50 Poz Premium Cement+20% SSA-1+0.3% Super CBL+ 0.3% Halad-344+0.3% Halad-413+ 0.2% SCR-100+ 0.125 lb/sk Poly-E-Flake + 3 lb/sk Silicat | 299   | 25%    | 15.40    | 1.45  |

| FLOAT EQUIPMENT & CENTRALIZERS |  |
|--------------------------------|--|
| CONDUCTOR                      | PDC drillable guide shoe, 1 joint, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing.  |
| SURFACE                        | PDC drillable guide shoe, 1 joint casing, PDC drillable float collar & Stage collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing & every 3rd joint thereafter. |
| INTERMEDIATE                   | PDC drillable 10M,P-110 float shoe, 1 joint, PDC drillable 10M, P-110 float collar. Thread lock all float equipment. Maker joint at 8,000'.  |
| LINER                          | Float shoe, 1 joint, float collar. Thread lock all FE. Maker joints every 1000'.   |

PROJECT ENGINEER(S): Joe Cawthorn 713-997-5929MANAGER: Tommy Gaydos

EP ENERGY E&P COMPANY, L.P.  
WISCOMBE 2-11B1  
SECTION 11, T2S, R1W, U.S.B.&M.

PROCEED NORTH ON PAVED STATE COUNTY ROAD FROM THE  
INTERSECTION OF 1500 EAST STREET WITH U.S. HIGHWAY 40 IN  
BALLARD, UTAH APPROXIMATELY 2.00 MILES TO AN INTERSECTION;

TURN RIGHT AND TRAVEL EASTERLY 0.16 MILES ON EXISTING PAVED  
COUNTY ROAD TO THE BEGINNING OF THE PROPOSED ACCESS ROAD;

TURN RIGHT ONTO ACCESS ROAD AND FOLLOW FLAGS 0.11 MILES TO  
THE PROPOSED WELL LOCATION;

TOTAL DISTANCE FROM U.S. HIGHWAY 40 IN BALLARD, UTAH TO THE  
PROPOSED WELL LOCATION IS APPROXIMATELY 2.27 MILES.

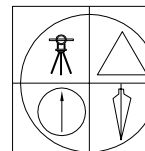
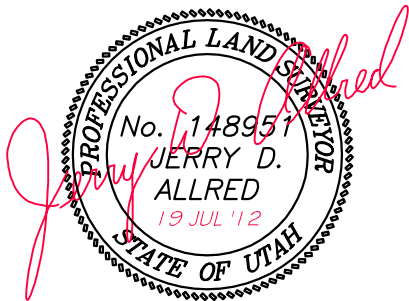
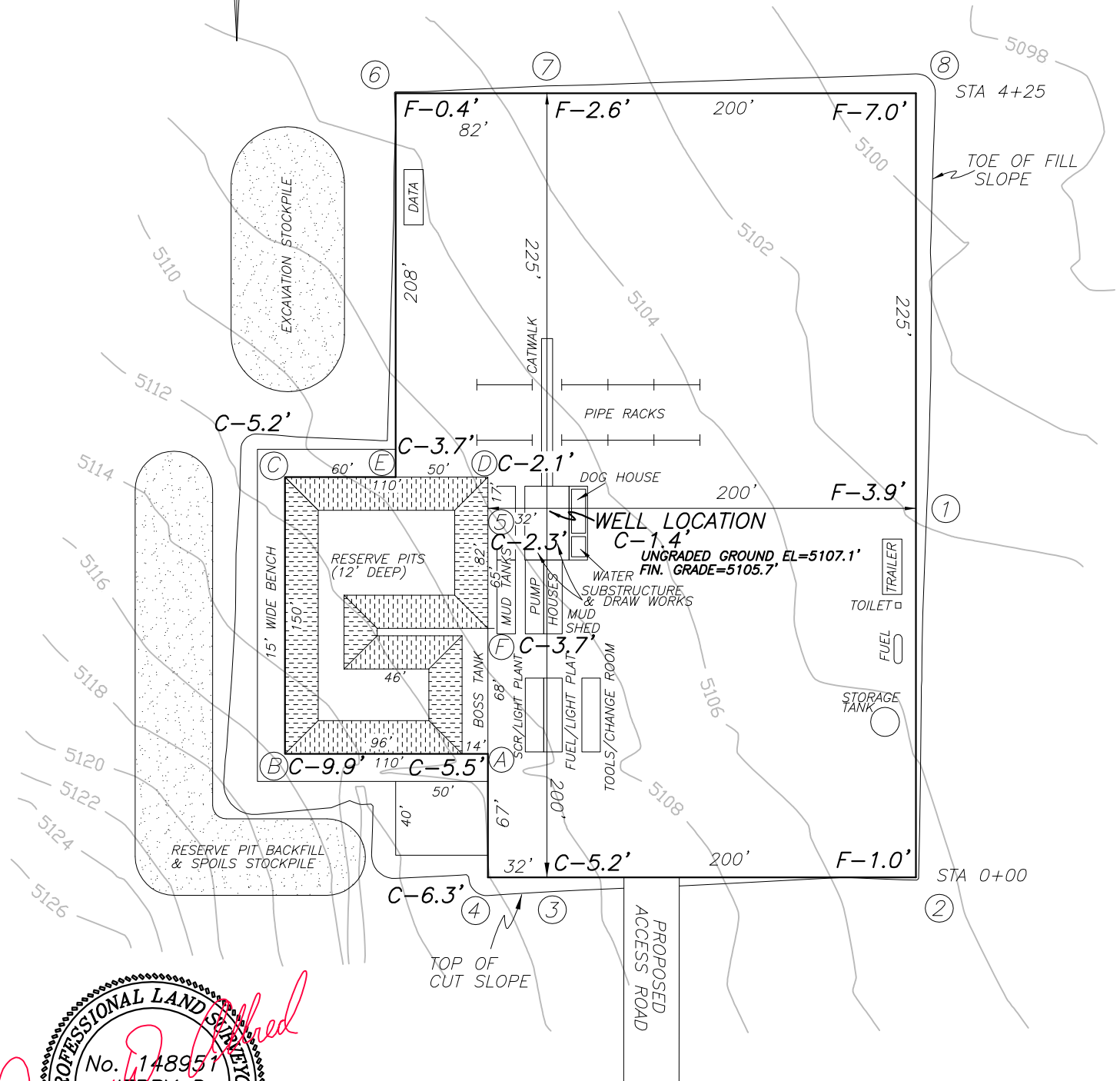
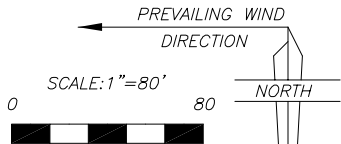
**EP ENERGY E & P COMPANY, L.P.****FIGURE #1**

LOCATION LAYOUT FOR

WISCOMBE 2-11B1

SECTION 11, T2S, R1W, U.S.B.&amp;M.

792' FNL, 900' FWL

**JERRY D. ALLRED & ASSOCIATES**  
SURVEYING CONSULTANTS1235 NORTH 700 EAST--P.O. BOX 975  
DUCHESNE, UTAH 84021  
(435) 738-5352

19 JUL 2012

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**EP ENERGY E & P COMPANY, L.P.****FIGURE #2**

LOCATION LAYOUT FOR

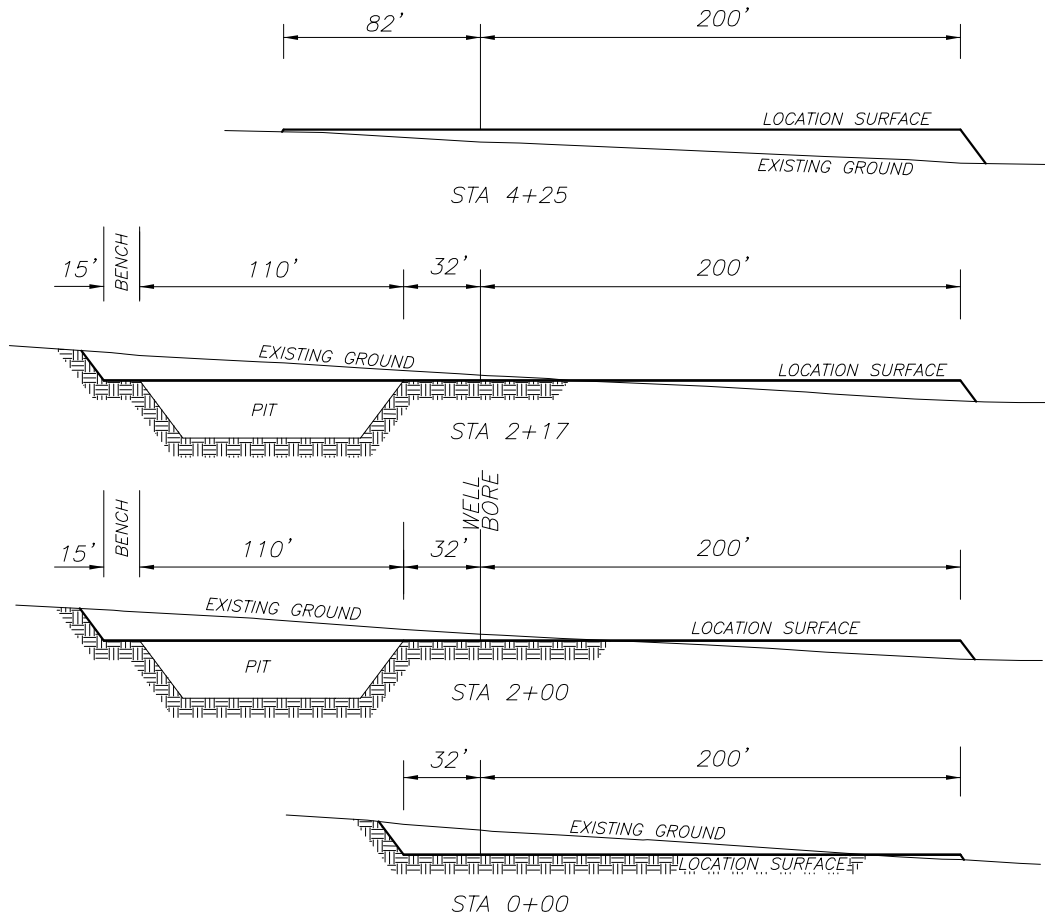
WISCOMBE 2-11B1

SECTION 11, T2S, R1W, U.S.B.&amp;M.

792' FNL, 900' FWL

1"=40'  
X-SECTION  
SCALE  
1"=80'

NOTE: ALL CUT/FILL  
SLOPES ARE 1½:1  
UNLESS OTHERWISE  
NOTED

APPROXIMATE QUANTITIES

TOTAL CUT (INCLUDING PIT) = 15,186 CU. YDS.

PIT CUT = 4572 CU. YDS.

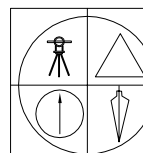
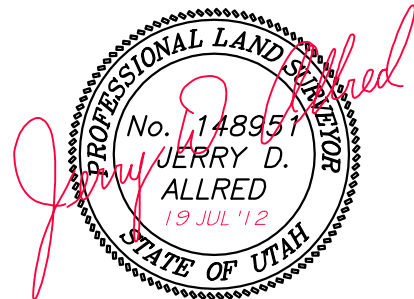
TOPSOIL STRIPPING: (6") = 2660 CU. YDS.

REMAINING LOCATION CUT = 7954 CU. YDS.

TOTAL FILL = 7954 CU. YDS.

LOCATION SURFACE GRAVEL=1374 CU. YDS. (4" DEEP)

ACCESS ROAD GRAVEL=212 CU. YDS.



**JERRY D. ALLRED & ASSOCIATES**  
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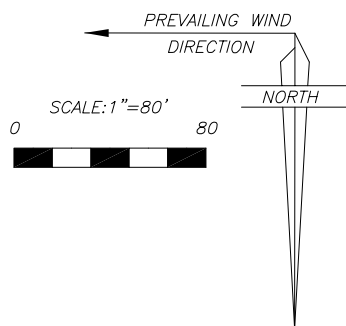
**EP ENERGY E & P COMPANY, L.P.****FIGURE #3**

LOCATION LAYOUT FOR

WISCOMBE 2-11B1

SECTION 11, T2S, R1W, U.S.B.&amp;M.

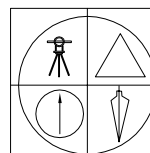
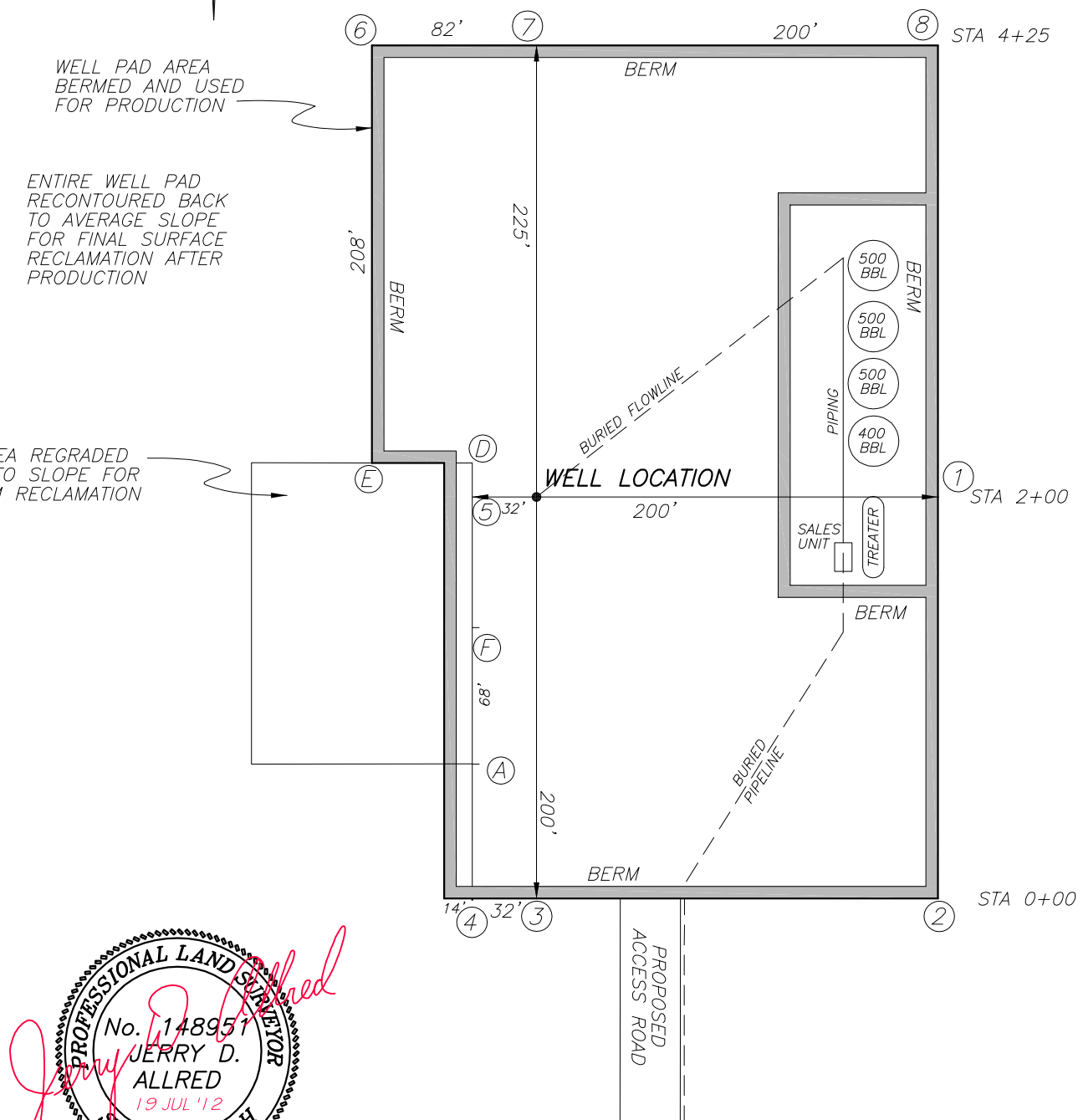
792' FNL, 900' FWL



WELL PAD AREA  
BERMED AND USED  
FOR PRODUCTION

ENTIRE WELL PAD  
RECONTOURED BACK  
TO AVERAGE SLOPE  
FOR FINAL SURFACE  
RECLAMATION AFTER  
PRODUCTION

PIT AREA REGRADED  
BACK TO SLOPE FOR  
INTERIM RECLAMATION



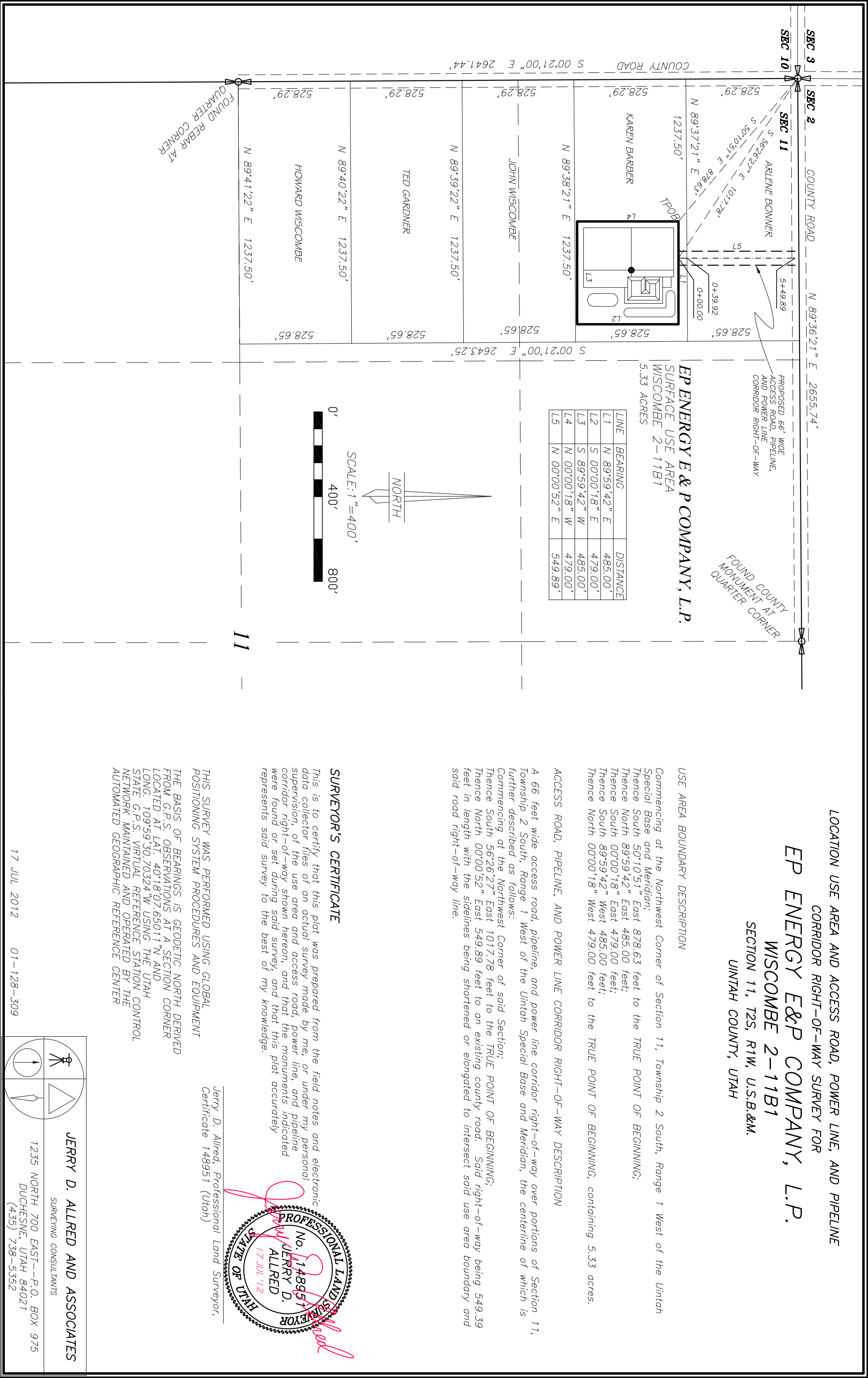
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ACCESS ROAD, PIPELINE, AND POWER LINE CORRIDOR RIGHT-OF-WAY DESCRIPTION

USE AREA BOUNDARY DESCRIPTION

Commencing at the Northwest Corner of Section 11, Township 2 South, Range 1 West of the Uintah Special Base and Meridian;  
Thence South 50°10'51" East 878.63 feet to the TRUE POINT OF BEGINNING;  
Thence North 89°59'42" East 485.00 feet;  
Thence South 00°00'18" East 479.00 feet;  
Thence South 89°59'42" West 485.00 feet;  
Thence North 00°00'18" West 479.00 feet to the TRUE POINT OF BEGINNING, containing 5.33 acres.

A 66 feet wide access road, pipeline, and power line corridor right-of-way over portions of Section 11, Township 2 South, Range 1 West of the Uintah Special Base and Meridian, the centerline of which is further described as follows:  
Commencing at the Northwest Corner of said Section;  
Thence South 56°26'27" East 1017.78 feet to the TRUE POINT OF BEGINNING;  
Thence North 00°00'52" East 549.89 feet to an existing county road. Said right-of-way being 549.39 feet in length with the sidelines being shortened or elongated to intersect said use area boundary and said road right-of-way line.

SURVEYOR'S CERTIFICATE

This is to certify that this plat was prepared from the field notes and electronic data collector files of an actual survey made by me, or under my personal supervision, of the use area and access road, power line, and pipeline corridor right-of-way shown hereon, and that the monuments indicated were found or set during said survey, and that this plat accurately represents said survey to the best of my knowledge.



Jerry D. Allred, Professional Land Surveyor,  
Certificate 148951 (Utah)

THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT

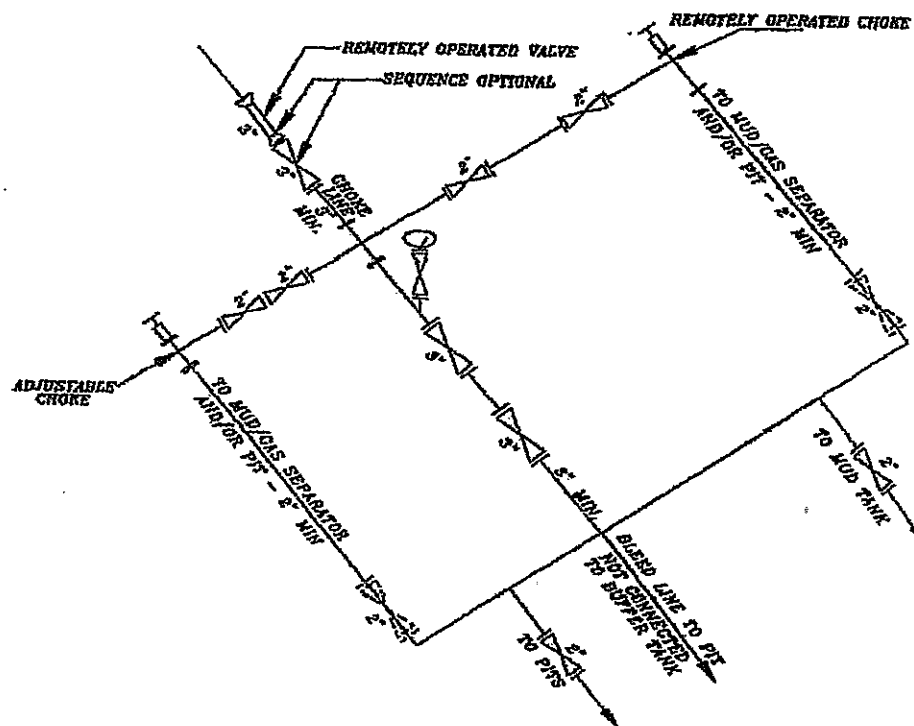
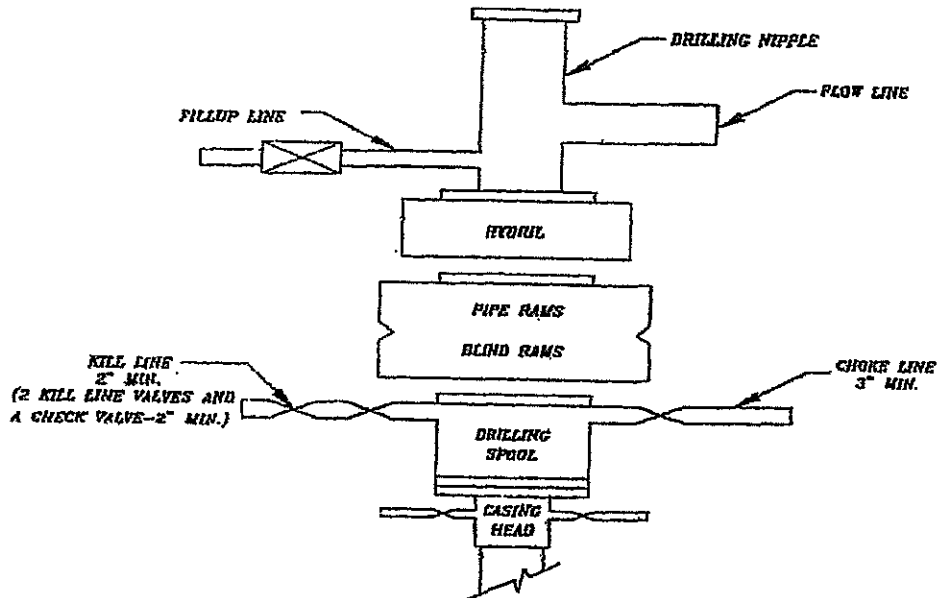
THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT A SECTION CORNER LOCATED AT LAT. 40°18'07.65011"N AND LONG. 109°59'30.70324"W USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER

17 JUL 2012 01-128-309

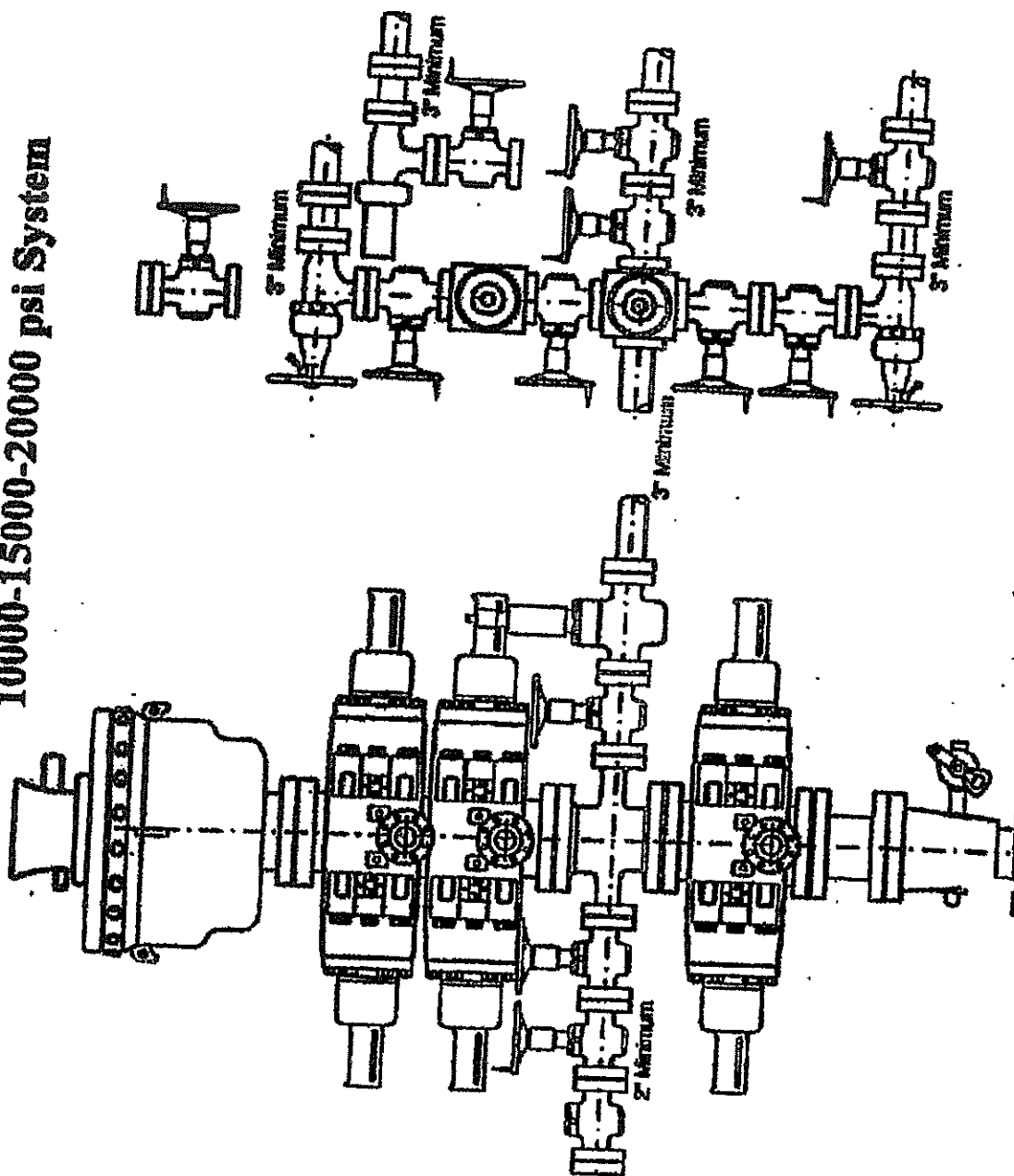
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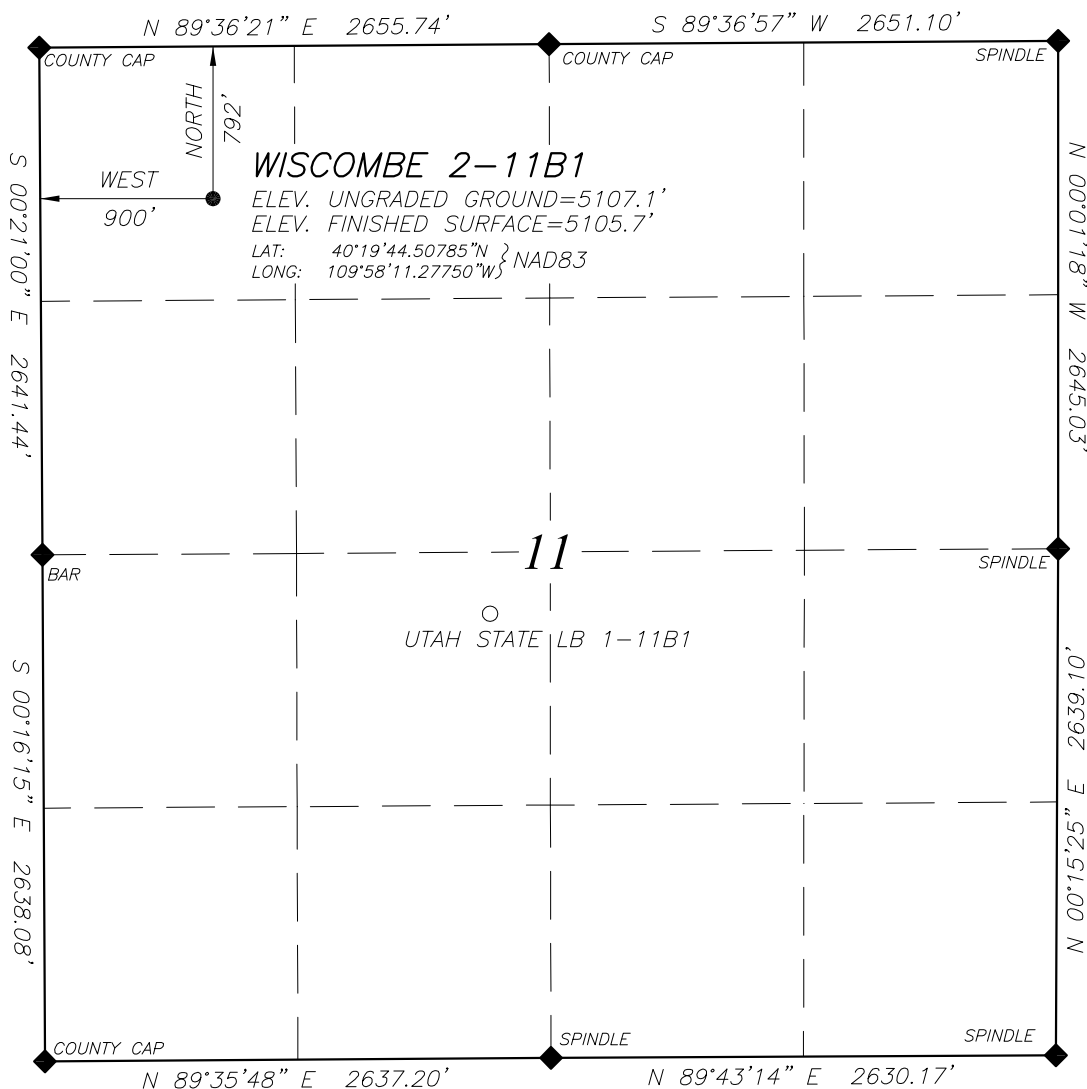
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DUCHESNE, UTAH 84021  
(435) 738-5352

# 5M BOP STACK and CHOKE MANIFOLD SYSTEM



10000-15000-20000 psi System



**EP ENERGY E & P COMPANY, L.P.****WELL LOCATION****WISCOMBE 2-11B1**LOCATED IN THE NW¼ OF THE NW¼ OF  
SECTION 11, T2S, R1W, U.S.B.&M.  
UINTAH COUNTY, UTAH

SCALE: 1"=1000'



NOTE:  
NAD27 VALUES FOR  
WELL POSITION:  
LAT: 40.32907183° N  
LONG: 109.96909438° W

**LEGEND AND NOTES**

- ◆ CORNER MONUMENTS FOUND AND USED BY THIS SURVEY

THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS AS WAS THE U.S.G.S. MAP

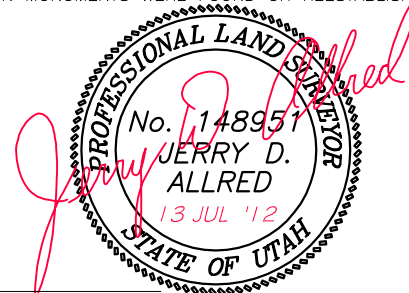
THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT

THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT A SECTION CORNER LOCATED AT LAT. 40°18'07.65011"N AND LONG. 109°59'30.70324"W USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER

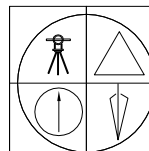
BASIS OF ELEVATIONS: NAVD 88 DATUM USING THE UTAH REFERENCE NETWORK CONTROL SYSTEM

**SURVEYOR'S CERTIFICATE**

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM THE FIELD NOTES AND ELECTRONIC DATA COLLECTOR FILES OF AN ACTUAL SURVEY PERFORMED BY ME, OR UNDER MY PERSONAL SUPERVISION, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR REESTABLISHED.



JERRY D. ALLRED, REGISTERED LAND SURVEYOR,  
CERTIFICATE NO. 148951 (UTAH)



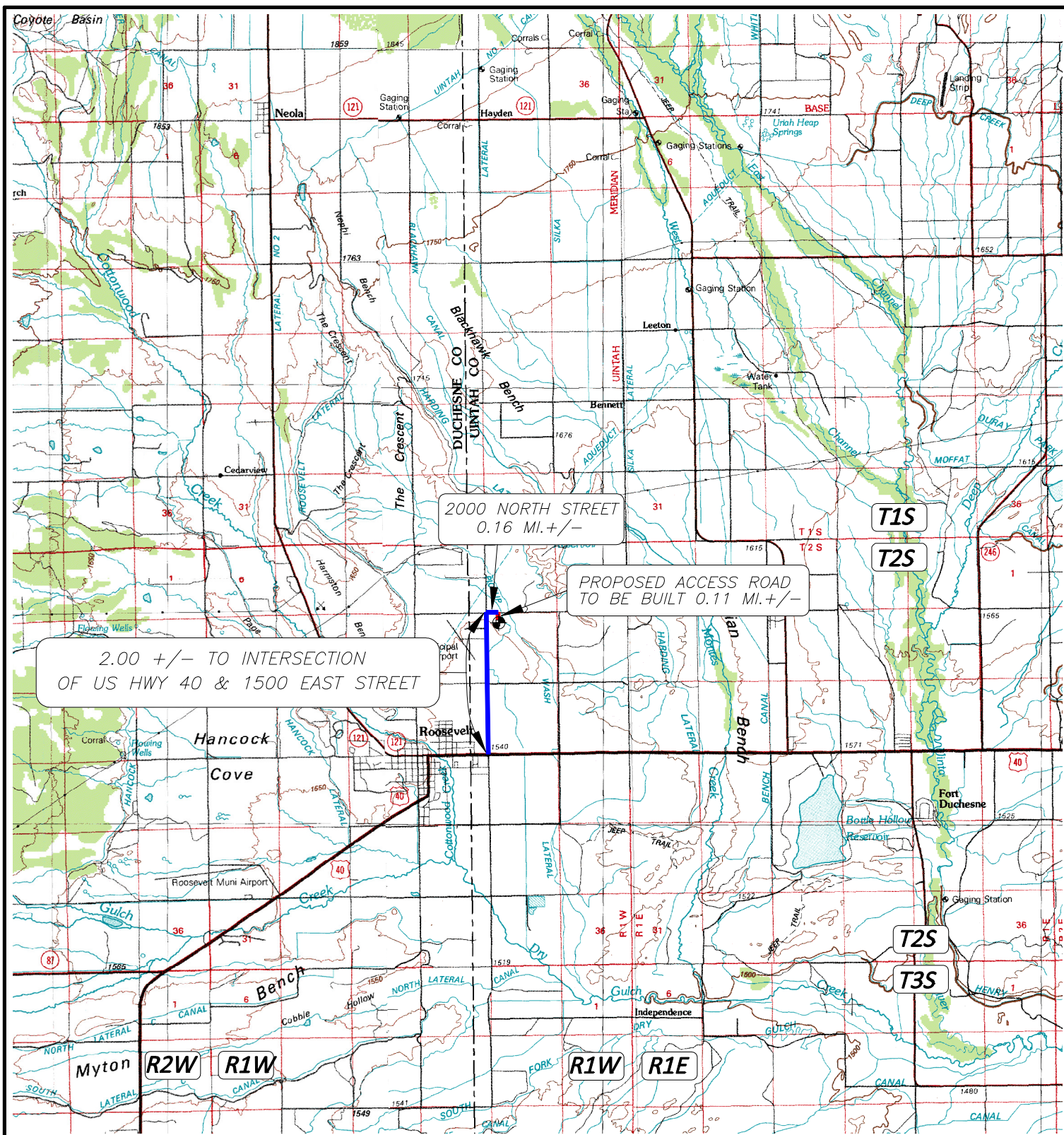
**JERRY D. ALLRED & ASSOCIATES**  
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975  
DUCHESNE, UTAH 84021  
(435) 738-5352

13 JUL 2012 01-128-309

**RECEIVED: August 28, 2012**





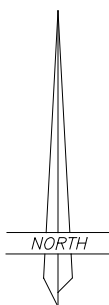
# LEGEND:

PROPOSED WELL LOCATION

01-128-309

JERRY D. ALLRED & ASSOCIATES  
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975  
DUCHESTER, UTAH 84021  
(435) 738-5352



EP ENERGY E & P COMPANY, L.P.

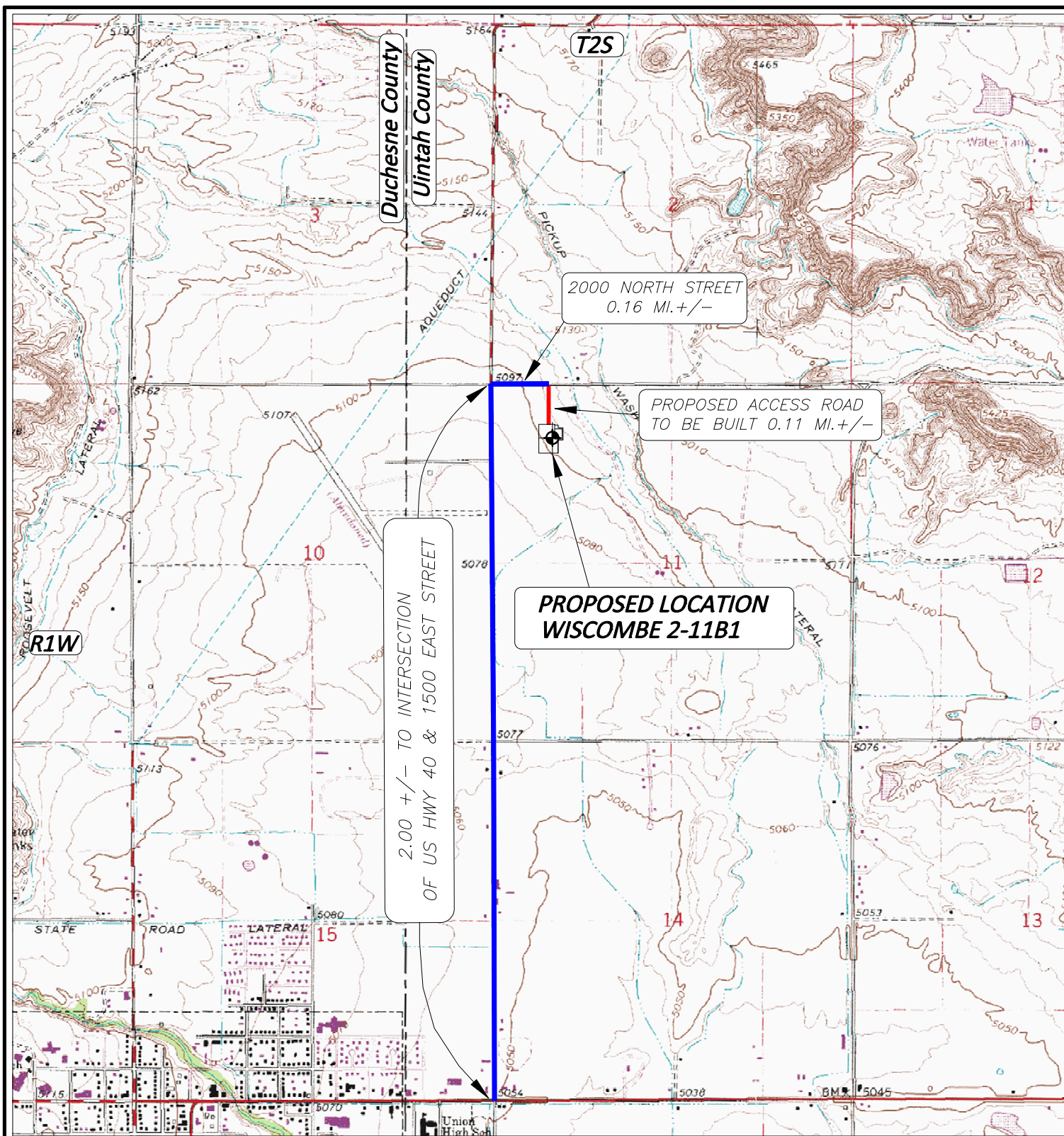
WISCOMBE 2-11B1  
SECTION 11, T2S, R1W, U.S.B.&M.  
792' FNL 900' FWL





TOPOGRAPHIC MAP "A"

SCALE: 1"=10,000'  
20 JULY 2012

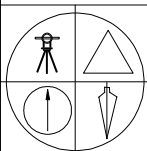
RECEIVED: August 28, 2012



**LEGEND:**

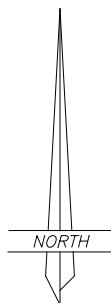
-  PROPOSED WELL LOCATION
-  PROPOSED ACCESS ROAD
-  EXISTING GRAVEL ROAD
-  EXISTING PAVED ROAD

01-128-309



**JERRY D. ALLRED & ASSOCIATES**  
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975  
DUCHESE, UTAH 84021  
(435) 738-5352



**EP ENERGY E & P COMPANY, L.P.**

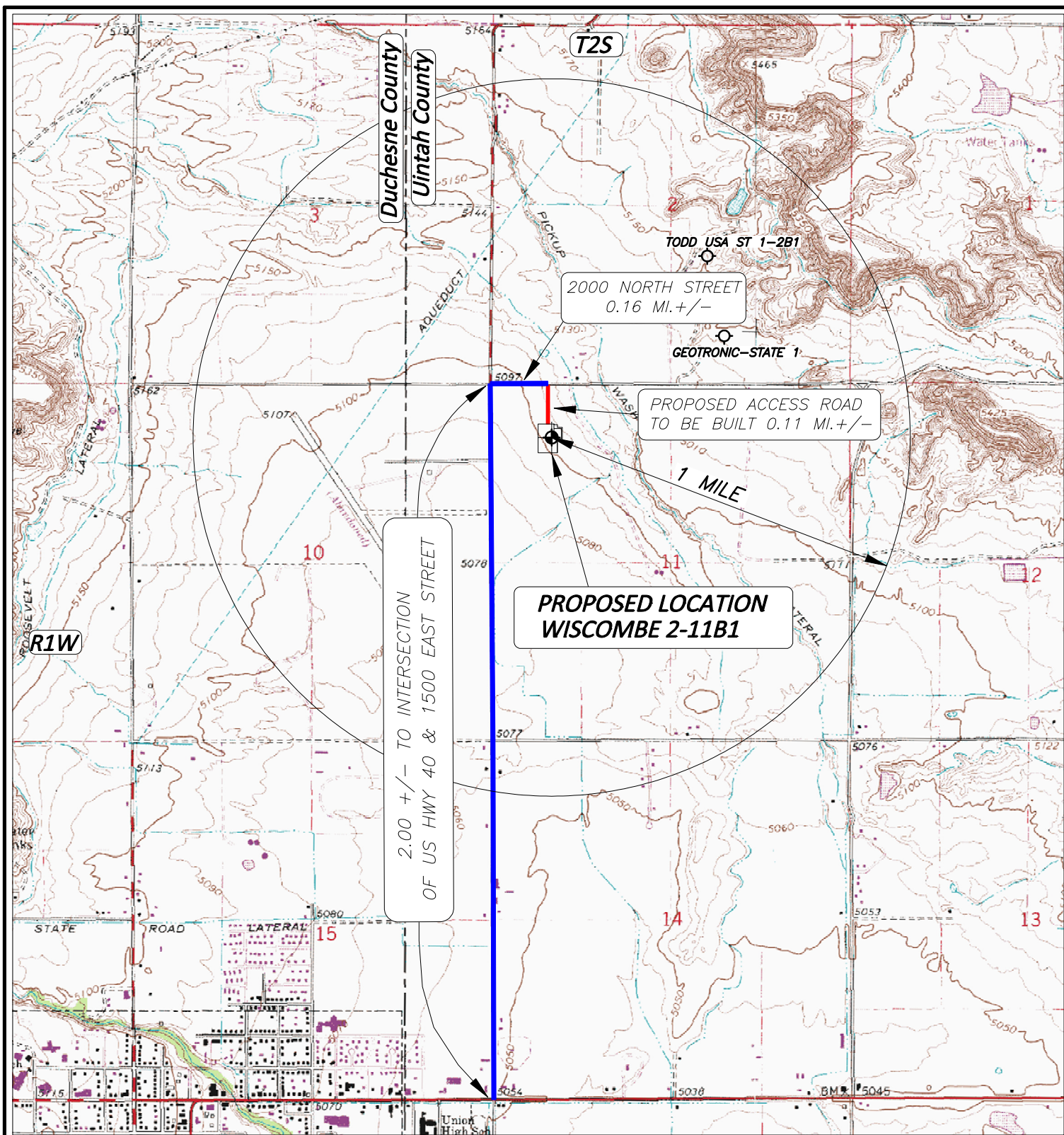
WISCOMBE 2-11B1  
SECTION 11, T2S, R1W, U.S.B.&M.  
792' FNL 900' FWL

**TOPOGRAPHIC MAP "B"**

SCALE: 1"=2000'  
20 JULY 2012

**RECEIVED:** August 28, 2012





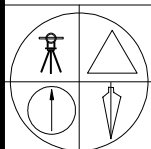
## LEGEND:

⊕ PROPOSED WELL LOCATION

● ○ ⊕

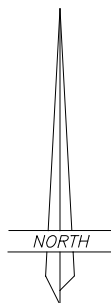
OTHER WELLS AS LOCATED FROM  
SUPPLIED MAP

01-128-309



**JERRY D. ALLRED & ASSOCIATES**  
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975  
DUCHESENE, UTAH 84021  
(435) 738-5352



**EP ENERGY E & P COMPANY, L.P.**

WISCOMBE 2-11B1  
SECTION 11, T2S, R1W, U.S.B.&M.  
792' FNL 900' FWL

**TOPOGRAPHIC MAP "C"**

SCALE: 1"=2000'  
20 JULY 2012

RECEIVED: August 28, 2012

**AFFIDAVIT OF DAMAGE SETTLEMENT AND RELEASE**

Orion L. Mitchell personally appeared before me, and, being duly sworn, deposes and says:

1. My name is Orion L. Mitchell. I am a Landman for EP Energy E&P Company, L.P., formally known as El Paso E&P Company, L.P., whose address is 1001 Louisiana Street, Houston, Texas 77002 ("EP Energy").
2. EP Energy is the operator of the proposed Wiscombe 2-11B1 well ("the Well") to be located in the NW/4 of the NW/4 of Section 11, Township 2 South, Range 1 West, U.S.M., Uintah County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is Karen Wiscombe Barber, as Trustee of the Leland M. Wiscombe Revocable Trust dated August 12, 1974, whose address is 22251 W. Eagle Mountain Road, Buckeye, AZ 85326 and whose telephone number is 623-249-8429 (the "Surface Owner").
3. EP Energy and the Surface Owner have entered into a Damage Settlement and Release Agreement dated August 25, 2012 to cover any and all injuries or damages of every character and description sustained by the Surface Owner or Surface Owner's property as a result of operations associated with the drilling of the Well.

FURTHER AFFIANT SAYETH NOT.



Orion L. Mitchell

**ACKNOWLEDGMENT**

STATE OF TEXAS       §  
                                  §  
COUNTY OF HARRIS   §

This instrument was acknowledged before me on this 20<sup>th</sup> day of August, 2012 by Orion L. Mitchell as a Landman for EP ENERGY E&P COMPANY, L.P., a Delaware limited partnership, on behalf of said partnership and acknowledged to me that he executed the same as his own free and voluntary act and deed for the uses and purposes therein set forth.



  
Notary Public in and for State of Texas



**EL PASO E&P COMPANY, L.P.**

**Related Surface Information**

**1. Current Surface Use:**

- Livestock Grazing and Oil and Gas Production.

**2. Proposed Surface Disturbance:**

- The road will be crown and ditch. Water wings will be constructed on the access road as needed.
- The topsoil will be windrowed and re-spread in the borrow area.
- New road to be constructed will be approximately .11 miles in length and 66 feet wide.
- All equipment and vehicles will be confined to the access road, pad and area specified in the APD.

**3. Location Of Existing Wells:**

- Existing oil, gas wells within one (1) mile radius of proposed well are provided in EXHIBIT C.

**4. Location And Type Of Drilling Water Supply:**

- Drilling water: Roosevelt City

**5. Existing/Proposed Facilities For Productive Well:**

- There are no existing facilities that will be utilized for this well.
- A pipeline corridor .11 miles will parallel the proposed access road. The corridor will contain one 4 inch gas line and one 2 inch gas line and one 2 inch Salt Water disposal line. Rehabilitation of unneeded, previously disturbed areas will consist of backfilling and contouring the reserve pit area; backsloping and contouring all cut and fill slopes. These areas will be reseeded. Refer to plans for reclamation of surface for details.
- Upgrade and maintain access roads and drainage control structures (e.g., culverts, drainage dips, ditching, etc.) as necessary to prevent soil erosion and accommodate safe, year-round traffic.

**6. Construction Materials:**

- Native soil from road and location will be used for construction materials along with gravel and/or scoria road base material. In the event that conditions should necessitate graveling of all or part of the access road and location, surfacing materials will be purchased from commercial suppliers in the marketing area.

**7. Methods For Handling Waste Disposal:**

- The reserve pit will be designed to prevent the collection of surface runoff and will be constructed with a minimum of ½ the total depth below the original ground surface on the lowest point with the pit. The pit will be lined with a 20-mil polyethylene to prevent leakage of fluids. The liner will be rolled into place and secured at the ends, i.e. buried on top of the pit berms. Prior to use, the reserve pit will be fenced on three sides; the fourth side will be fenced at the time the rig is removed. Drilling fluids, cuttings and produced water will be contained in the reserve pit (trash will be placed in the trash cage). Fluids in the reserve pit will be allowed to evaporate prior to pit burial.
- Garbage and other trash will be contained in the portable trash cage and hauled off the location to an authorized disposal site. Any trash on the pad will be cleaned up prior to the rig moving off location and hauled to an authorized disposal site.
- Sewage will be handled in Portable Toilets.
- Produced water will be placed in the reserve pit for a period not to exceed ninety days after initial production. Any hydrocarbons produced during completion work will be contained in test tanks and removed from the location at a later date.
- Water from the reserve pit may be used for drilling of additional wells. The water will be trucked along access roads as approved in pertinent APD's

**8. Ancillary Facilities:**

- There will be no ancillary facilities associated with this project.

9. **Surface Reclamation Plans:**

Backfilling of the pits will be done when dry. In the event of a dry hole, the location will be re-contoured, the topsoil will be distributed evenly over the entire location, and the seedbed prepared.

- Seed will be planted after September 15<sup>th</sup>, and prior to ground frost, or seed will be planted after the frost has left and before May 15<sup>th</sup>. Slopes to steep for machinery will be hand broadcast and raked with twice the specified amount of seed.
  1. The construction program and design are on the attached cut, fill and cross sectional diagrams.
  2. Prior to construction, all topsoil will be removed from the entire site and stockpiled. Topsoil for this site is the first 6 inches of soil materials.
  3. After the location has been reshaped and after redistributing the topsoil, the operator will rip and scarify the drilling platform and access road on the contour, to a depth of at least 12 inches.
- Rehabilitation will begin upon the completion of the drilling. Complete rehabilitation will depend on weather conditions and the amount of time required to dry the reserve pit.
  1. All rehabilitation work including seeding will be completed as soon as weather and the reserve pit conditions are appropriate.
  2. Landowner will be contacted for rehabilitation requirements.

10. **Surface Ownership:**

Karen Wiscombe Barber, Trustee of the Leland M. Wiscombe Revocable Trust  
22251 W. Eagle Mountain Road  
Buckeye, Arizona  
623-249-8429

**Other Information:**

- The surface soil consists of clay, and silt.
- Flora – vegetation consists of the following: Sagebrush, Juniper and prairie grasses.
- Fauna – antelope, deer, coyotes, raptors, small mammals, and domestic grazing animals.
- Current surface uses – Livestock grazing and mineral exploration and production.

• **Operator and Contact Persons:**

**Construction and Reclamation:**

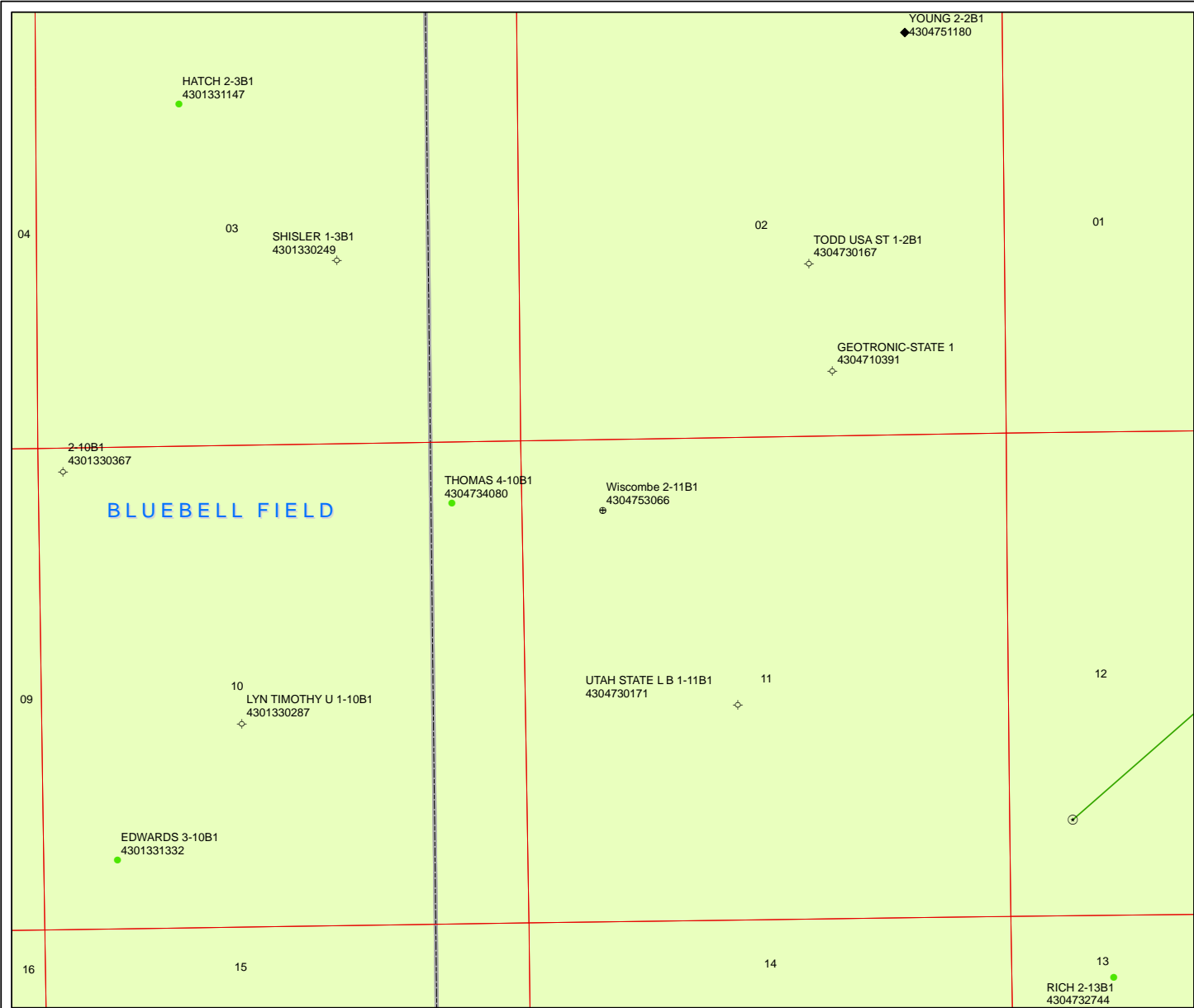
El Paso E & P Company  
Wayne Garner  
PO Box 410  
Altamont, Utah 84001  
435-454-3394 – Office  
435-823-1490 – Cell

**Regarding This APD**

El Paso E & P Company  
Maria S. Gomez  
1001 Louisiana, Rm 2730D  
Houston, Texas 77002  
713-997-5038 – Office

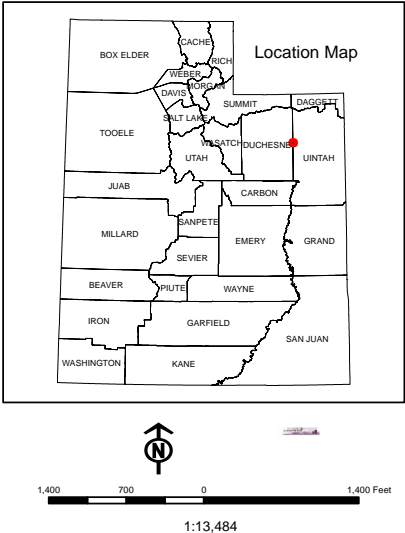
**Drilling**

El Paso E & P Company  
Brent Baker – Drilling Engineer  
1001 Louisiana, Rm 2540A  
Houston, Texas 77002  
713-997-3323 – office  
832-457-6433 – Cell



**API Number: 4304753066**  
**Well Name: Wiscombe 2-11B1**  
**Township T02.0S Range R01.0W Section 11**  
**Meridian: UBM**  
Operator: EP ENERGY E&P COMPANY, L.P.  
Map Prepared:  
Map Produced by Diana Mason

| Units         | Wells Query                        |
|---------------|------------------------------------|
| <b>STATUS</b> | <b>Status</b>                      |
| ACTIVE        | APD - Approved Permit              |
| EXPLORATORY   | DRL - Spudded (Drilling Commenced) |
| GAS STORAGE   | GIW - Gas Injection                |
| NF PP OIL     | GS - Gas Storage                   |
| NF SECONDARY  | LOC - New Location                 |
| PI OIL        | OPS - Operation Suspended          |
| PP GAS        | PA - Plugged Abandoned             |
| PP GEOTHERML  | PGW - Producing Gas Well           |
| PP OIL        | POW - Producing Oil Well           |
| SECONDARY     | SGW - Shut-in Gas Well             |
| TERMINATED    | SOW - Shut-in Oil Well             |
| <b>Fields</b> | TA - Temp. Abandoned               |
| <b>STATUS</b> | TW - Test Well                     |
| Unknown       | WDW - Water Disposal               |
| ABANDONED     | WW - Water Injection Well          |
| ACTIVE        | WSW - Water Supply Well            |
| COMBINED      | Bottom Hole Location - Oil/Gas/Dib |
| INACTIVE      |                                    |
| STORAGE       |                                    |
| TERMINATED    |                                    |



|  |  |       |       |       |
|--|--|-------|-------|-------|
| Well Name                                | EP ENERGY E&P COMPANY, L.P. Wiscombe 2-11B1 43047530660000 |       |       |       |
| String                                   | Cond   | Surf  | I1    | L1    |
| Casing Size(in)                          | 13.375   | 9.625 | 7.000 | 4.500 |
| Setting Depth (TVD)                      | 1000   | 4950  | 9800  | 13250 |
| Previous Shoe Setting Depth (TVD)        | 0  | 1000  | 4950  | 9800  |
| Max Mud Weight (ppg)                     | 8.8  | 9.5   | 11.0  | 14.0  |
| BOPE Proposed (psi)                      | 1000   | 1000  | 5000  | 10000 |
| Casing Internal Yield (psi)              | 2730   | 5750  | 11220 | 12410 |
| Operators Max Anticipated Pressure (psi) | 9646   |       |       | 14.0  |

|   |  |        |   |                    |
|---|--|--------|---|--------------------|
| Calculations                                  | Cond String  | 13.375 | "   |                    |
| Max BHP (psi)                                 | .052*Setting Depth*MW=                             | 458    |   |                    |
|   |  |        | BOPE Adequate For Drilling And Setting Casing at Depth? |                    |
| MASP (Gas) (psi)                              | Max BHP-(0.12*Setting Depth)=                      | 338    | YES   | rotating head, WBM |
| MASP (Gas/Mud) (psi)                          | Max BHP-(0.22*Setting Depth)=                      | 238    | YES   | OK                 |
|   |  |        | *Can Full Expected Pressure Be Held At Previous Shoe?   |                    |
| Pressure At Previous Shoe                     | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 238    | NO  | OK                 |
| Required Casing/BOPE Test Pressure=           |  | 1000   | psi   |                    |
| *Max Pressure Allowed @ Previous Casing Shoe= |  | 0      | psi    *Assumes 1psi/ft frac gradient                   |                    |

|   |  |       |   |                                   |
|---|--|-------|---|-----------------------------------|
| Calculations                                  | Surf String  | 9.625 | "   |                                   |
| Max BHP (psi)                                 | .052*Setting Depth*MW=                             | 2445  |   |                                   |
|   |  |       | BOPE Adequate For Drilling And Setting Casing at Depth? |                                   |
| MASP (Gas) (psi)                              | Max BHP-(0.12*Setting Depth)=                      | 1851  | NO  | rotating head, WBM                |
| MASP (Gas/Mud) (psi)                          | Max BHP-(0.22*Setting Depth)=                      | 1356  | NO  | REasonable , no expected pressure |
|   |  |       | *Can Full Expected Pressure Be Held At Previous Shoe?   |                                   |
| Pressure At Previous Shoe                     | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 1576  | NO  |                                   |
| Required Casing/BOPE Test Pressure=           |  | 4025  | psi   |                                   |
| *Max Pressure Allowed @ Previous Casing Shoe= |  | 1000  | psi    *Assumes 1psi/ft frac gradient                   |                                   |

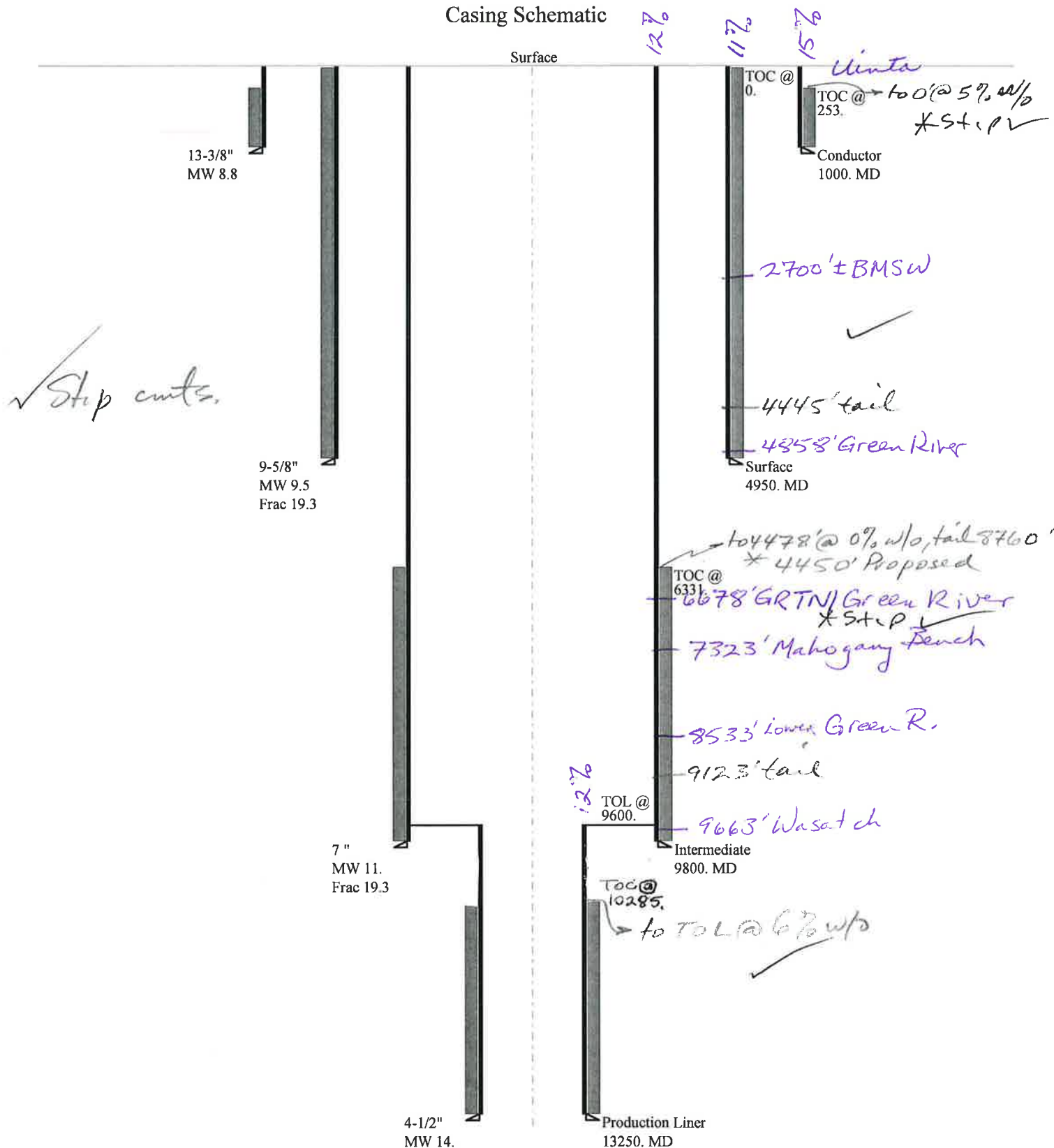
|   |  |       |   |    |
|---|--|-------|---|----|
| Calculations                                  | I1 String  | 7.000 | "   |    |
| Max BHP (psi)                                 | .052*Setting Depth*MW=                             | 5606  |   |    |
|   |  |       | BOPE Adequate For Drilling And Setting Casing at Depth? |    |
| MASP (Gas) (psi)                              | Max BHP-(0.12*Setting Depth)=                      | 4430  | YES   |    |
| MASP (Gas/Mud) (psi)                          | Max BHP-(0.22*Setting Depth)=                      | 3450  | YES   | OK |
|   |  |       | *Can Full Expected Pressure Be Held At Previous Shoe?   |    |
| Pressure At Previous Shoe                     | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 4539  | YES   | OK |
| Required Casing/BOPE Test Pressure=           |  | 7854  | psi   |    |
| *Max Pressure Allowed @ Previous Casing Shoe= |  | 4950  | psi    *Assumes 1psi/ft frac gradient                   |    |

|   |  |       |   |    |
|---|--|-------|---|----|
| Calculations                                  | L1 String  | 4.500 | "   |    |
| Max BHP (psi)                                 | .052*Setting Depth*MW=                             | 9646  |   |    |
|   |  |       | BOPE Adequate For Drilling And Setting Casing at Depth? |    |
| MASP (Gas) (psi)                              | Max BHP-(0.12*Setting Depth)=                      | 8056  | YES   |    |
| MASP (Gas/Mud) (psi)                          | Max BHP-(0.22*Setting Depth)=                      | 6731  | YES   | OK |
|   |  |       | *Can Full Expected Pressure Be Held At Previous Shoe?   |    |
| Pressure At Previous Shoe                     | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 8887  | YES   |    |
| Required Casing/BOPE Test Pressure=           |  | 8687  | psi   |    |
| *Max Pressure Allowed @ Previous Casing Shoe= |  | 9800  | psi    *Assumes 1psi/ft frac gradient                   |    |

# 43047530660000 Wiscombe 2-11B1

## Casing Schematic

Surface



|              |  |                             |
|--------------|--|-----------------------------|
| Well name:   | <b>43047530660000 Wiscombe 2-11B1</b>  |                             |
| Operator:    | <b>EP ENERGY E&amp;P COMPANY, L.P.</b> |                             |
| String type: | Conductor                              | Project ID:<br>43-047-53066 |
| Location:    | UINTAH COUNTY                          |                             |

**Design parameters:****Collapse**

Mud weight: 8.800 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 88 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

**Burst:**

Design factor 1.00

Cement top: 252 ft

**Burst**

Max anticipated surface pressure: 337 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 457 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.70 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

**Non-directional string.**

Tension is based on buoyed weight.  
Neutral point: 870 ft

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Est. Cost (\$) |
|---------|---------------------|-----------|-------------------------|-------|------------|----------------------|---------------------|---------------------|----------------|
| 1       | 1000                | 13.375    | 54.50                   | J-55  | ST&C       | 1000                 | 1000                | 12.49               | 12404          |

| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
|---------|---------------------|-------------------------|------------------------|------------------|----------------------|---------------------|---------------------|-------------------------|-----------------------|
| 1       | 457                 | 1130                    | 2.473                  | 457              | 2730                 | 5.97                | 47.4                | 514                     | 10.85 J               |

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Mining

Phone: 801-538-5357  
FAX: 801-359-3940

Date: October 4, 2012  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 1000 ft, a mud weight of 8.8 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*



|              |  |                             |
|--------------|--|-----------------------------|
| Well name:   | <b>43047530660000 Wiscombe 2-11B1</b>  |                             |
| Operator:    | <b>EP ENERGY E&amp;P COMPANY, L.P.</b> |                             |
| String type: | Surface                                | Project ID:<br>43-047-53066 |
| Location:    | UINTAH COUNTY                          |                             |

**Design parameters:****Collapse**

Mud weight: 9.500 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 143 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

**Burst:**

Design factor 1.00

Cement top: Surface

**Burst**

Max anticipated surface pressure: 3,444 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 4,533 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.70 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on buoyed weight.  
Neutral point: 4,251 ft

**Non-directional string.****Re subsequent strings:**

Next setting depth: 9,800 ft  
Next mud weight: 11.000 ppg  
Next setting BHP: 5,600 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 4,950 ft  
Injection pressure: 4,950 psi

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Est. Cost (\$) |
|---------|---------------------|-----------|-------------------------|-------|------------|----------------------|---------------------|---------------------|----------------|
| 1       | 4950                | 9.625     | 40.00                   | N-80  | LT&C       | 4950                 | 4950                | 8.75                | 62988          |

| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
|---------|---------------------|-------------------------|------------------------|------------------|----------------------|---------------------|---------------------|-------------------------|-----------------------|
| 1       | 2443                | 3090                    | 1.265                  | 4533             | 5750                 | 1.27                | 170                 | 737                     | 4.33 J                |

Prepared Helen Sadik-Macdonald  
by: Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: October 4, 2012  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 4950 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

|              |  |                             |
|--------------|--|-----------------------------|
| Well name:   | <b>43047530660000 Wiscombe 2-11B1</b>  |                             |
| Operator:    | <b>EP ENERGY E&amp;P COMPANY, L.P.</b> |                             |
| String type: | Intermediate                           | Project ID:<br>43-047-53066 |
| Location:    | UINTAH COUNTY                          |                             |

**Design parameters:****Collapse**

Mud weight: 11.000 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 211 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft

Cement top: 6,331 ft

**Burst**

Max anticipated surface pressure: 6,721 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 8,877 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.60 (B)

Tension is based on air weight.  
Neutral point: 8,168 ft

**Non-directional string.****Re subsequent strings:**

Next setting depth: 13,250 ft  
Next mud weight: 14.000 ppg  
Next setting BHP: 9,636 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 9,800 ft  
Injection pressure: 9,800 psi

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Est. Cost (\$) |
|---------|---------------------|-----------|-------------------------|-------|------------|----------------------|---------------------|---------------------|----------------|
| 1       | 9800                | 7         | 29.00                   | P-110 | LT&C       | 9800                 | 9800                | 6.059               | 110667         |

| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
|---------|---------------------|-------------------------|------------------------|------------------|----------------------|---------------------|---------------------|-------------------------|-----------------------|
| 1       | 5600                | 8530                    | 1.523                  | 8877             | 11220                | 1.26                | 284.2               | 797                     | 2.80 J                |

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: October 4, 2012  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 9800 ft, a mud weight of 11 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

|              |  |                             |
|--------------|--|-----------------------------|
| Well name:   | <b>43047530660000 Wiscombe 2-11B1</b>  |                             |
| Operator:    | <b>EP ENERGY E&amp;P COMPANY, L.P.</b> |                             |
| String type: | Production Liner                       | Project ID:<br>43-047-53066 |
| Location:    | UINTAH COUNTY                          |                             |

**Design parameters:****Collapse**

Mud weight: 14.000 ppg  
Internal fluid density: 1.000 ppg

**Minimum design factors:****Collapse:**

Design factor 1.125

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 260 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft

**Burst:**

Design factor 1.00

Cement top: 10,285 ft

**Burst**

Max anticipated surface pressure: 6,721 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 9,636 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.60 (B)

Liner top: 9,600 ft

**Non-directional string.**

Tension is based on air weight.

Neutral point: 12,496 ft

| Run Seq | Segment Length (ft) | Size (in)               | Nominal Weight (lbs/ft) | Grade            | End Finish           | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in)     | Est. Cost (\$)        |
|---------|---------------------|-------------------------|-------------------------|------------------|----------------------|----------------------|---------------------|-------------------------|-----------------------|
| 1       | 3650                | 4.5                     | 13.50                   | P-110            | LT&C                 | 13250                | 13250               | 3.795                   | 20452                 |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor  | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor  | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
| 1       | 8948                | 10680                   | 1.194                   | 9636             | 12410                | 1.29                 | 49.3                | 338                     | 6.86 J                |

Prepared Helen Sadik-Macdonald  
by: Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: October 5, 2012  
Salt Lake City, Utah

**Remarks:**

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 13250 ft, a mud weight of 14 ppg. An Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

# **ON-SITE PREDRILL EVALUATION**

## **Utah Division of Oil, Gas and Mining**

**Operator** EP ENERGY E&P COMPANY, L.P.  
**Well Name** Wiscombe 2-11B1  
**API Number** 43047530660000      **APD No** 6747      **Field/Unit** BLUEBELL  
**Location: 1/4,1/4** NWNW      **Sec** 11      **Tw** 2.0S      **Rng** 1.0W      792 FNL 900 FWL  
**GPS Coord (UTM)** 587515 4464788      **Surface Owner** Karen Wiscombe Barber, Trustee

### **Participants**

Wayne Garner, David Allred (El Paso Energy); Ryan Allred, Clayton Thacker (Jerry Allred & Associates Surveying Consultants); David hackford (DOGM)

### **Regional/Local Setting & Topography**

This site is relatively flat and level draining gradually to the southwest. It is within Ballard, Utah city limits. There is farm land in the area, but this quarter/quarter is not being used for anything at this time. There are six dwellings 400 yards to the west along 1500 East Street, one dwelling 400 yards to the north along 2000 North Street, and one dwelling 400 yards to the northeast along 2000 North Street. Roosevelt, Utah is one and 3/4 miles to the southwest. Pickup Wash is 400 yards to the east.

### **Surface Use Plan**

**Current Surface Use**  
Residential

| <b>New Road Miles</b> | <b>Well Pad</b>                    | <b>Src Const Material</b> | <b>Surface Formation</b> |
|-----------------------|------------------------------------|---------------------------|--------------------------|
| 0.11                  | <b>Width</b> 342 <b>Length</b> 425 | Onsite                    | UNTA                     |

**Ancillary Facilities** N

**Waste Management Plan Adequate?** Y

### **Environmental Parameters**

**Affected Floodplains and/or Wetlands** N

#### **Flora / Fauna**

Greasewood, cheatgrass, rabbit brush, sage, horsebrush, prickley pear.  
Small rodents and birds.

#### **Soil Type and Characteristics**

Sandy loam.

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diverson Required?** N

**Berm Required? N****Erosion Sedimentation Control Required? N****Paleo Survey Run? N    Paleo Potential Observed? N    Cultural Survey Run? N    Cultural Resources? N****Reserve Pit****Site-Specific Factors****Site Ranking**

|  |                  |                           |
|--|------------------|---------------------------|
| <b>Distance to Groundwater (feet)</b>    | 100 to 200       | 5                         |
| <b>Distance to Surface Water (feet)</b>  | >1000            | 0                         |
| <b>Dist. Nearest Municipal Well (ft)</b> | 1320 to 5280     | 5                         |
| <b>Distance to Other Wells (feet)</b>    | >1320            | 0                         |
| <b>Native Soil Type</b>                  | Mod permeability | 10                        |
| <b>Fluid Type</b>                        | TDS>5000 and     | 10                        |
| <b>Drill Cuttings</b>                    | Normal Rock      | 0                         |
| <b>Annual Precipitation (inches)</b>     |                  | 0                         |
| <b>Affected Populations</b>              | > 50             | > 50                      |
| <b>Presence Nearby Utility Conduits</b>  | Not Present      | 0                         |
| <b>Final Score</b>                       |                  | 40    1 Sensitivity Level |

**Characteristics / Requirements**

Reserve pit will be in an area of cut on the east side of the location. It will be 150' by 110' and 12' deep.

**Closed Loop Mud Required? N    Liner Required? Y    Liner Thickness 16    Pit Underlayment Required? N****Other Observations / Comments**

A landowner surface agreement has been signed. This site is within Ballard City limits.

David Hackford  
**Evaluator**

9/20/2012  
**Date / Time**

# Application for Permit to Drill

## Statement of Basis

### Utah Division of Oil, Gas and Mining

| APD No    | API WellNo                                     | Status | Well Type         | Surf Owner                     | CBM |
|-----------|--|--------|-------------------|--------------------------------|-----|
| 6747      | 43047530660000                                 | LOCKED | OW                | P                              | No  |
| Operator  | EP ENERGY E&P COMPANY, L.P.                    |        | Surface Owner-APD | Karen Wiscombe Barber, Trustee |     |
| Well Name | Wiscombe 2-11B1                                |        | Unit              |                                |     |
| Field     | BLUEBELL                                       |        | Type of Work      | DRILL                          |     |
| Location  | NWNW 11 2S 1W U 792 FNL (UTM) 587512E 4464782N |        | 900 FWL GPS Coord |                                |     |

#### Geologic Statement of Basis

EP Energy proposes to set 1,000 feet of conductor and 4,950 feet of surface casing at this location. The conductor and surface hole will be drilled with fresh water mud. The depth to the base of the moderately saline ground water is estimated to be 2,700 feet. A search of Division of Water Rights records indicates that there are 41 water wells within a 10,000 foot radius of the center of Section 1. These wells range in depth from 75 to 660 feet. Depth is not listed for 2 wells. Listed uses are domestic, irrigation and stock watering. The surface formation at the proposed site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and is not expected to be a high volume source of ground water. Water production in this area is from near surface alluvium and the Uinta Formation. The proposed casing and cement should adequately protect ground water in this area.

Brad Hill  
APD Evaluator

9/25/2012  
Date / Time

#### Surface Statement of Basis

Karen Wiscombe Barber (Landowner) was notified of this predrill meeting on 9/14/2012. She did not attend and did not have a representative present.

Ballard City was notified of this meeting on 9/14/2012. Ben Mower (City Manager) expressed one concern regarding the access road to this site. His concern is that where the access road leaves 2000 North Street, there is a blind hill 150' to the east, and this would create a driving hazard. I spoke with El Paso personnel and also Ryan Allred (Surveyor) and told them that the access route would have to be moved and that a corrected topographic map "C" would have to be submitted to DOGM as well as Ballard City before a drilling permit could be issued.

This site appears to be the best site for a well in the immediate area, and the only problems are eight dwellings within 1/4 mile of the proposed well. Roosevelt, Utah is one and 3/4 miles to the southwest.

David Hackford  
Onsite Evaluator

9/20/2012  
Date / Time

#### Conditions of Approval / Application for Permit to Drill

| Category | Condition |
|----------|-----------|
|----------|-----------|

API Well Number: 43047530660000

A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.

Pits

The reserve pit should be located on the east side of the location.

RECEIVED: October 17, 2012

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 8/28/2012

API NO. ASSIGNED: 43047530660000

WELL NAME: Wiscombe 2-11B1

OPERATOR: EP ENERGY E&amp;P COMPANY, L.P. (N3850)

PHONE NUMBER: 713 997-5038

CONTACT: Maria S. Gomez

PROPOSED LOCATION: NWNW 11 020S 010W

Permit Tech Review: ☒

SURFACE: 0792 FNL 0900 FWL

Engineering Review: ☒

BOTTOM: 0792 FNL 0900 FWL

Geology Review: ☒

COUNTY: UINTAH

LATITUDE: 40.32899

LONGITUDE: -109.96983

UTM SURF EASTINGS: 587512.00

NORTHINGS: 4464782.00

FIELD NAME: BLUEBELL

LEASE TYPE: 4 - Fee

LEASE NUMBER: Fee

PROPOSED PRODUCING FORMATION(S): GREEN RIVER-WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

☒ PLAT☒ Bond: STATE/FEE - 400JU0708☐ Potash☐ Oil Shale 190-5☐ Oil Shale 190-3☐ Oil Shale 190-13☒ Water Permit: Roosevelt City☐ RDCC Review:☒ Fee Surface Agreement☐ Intent to Commingle

Commingle Approved

## LOCATION AND SITING:

☐ R649-2-3.

Unit:

☐ R649-3-2. General☐ R649-3-3. Exception☒ Drilling Unit

Board Cause No: Cause 139-84

Effective Date: 12/31/2008

Siting: 660' Fr Drl U Bdry &amp; 1320' Fr Other Wells

☐ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill  
10 - Cement Ground Water - hmadonald  
12 - Cement Volume (3) - hmadonald  
25 - Surface Casing - hmadonald

RECEIVED: October 17, 2012





GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

## Permit To Drill

\*\*\*\*\*

**Well Name:** Wiscombe 2-11B1

**API Well Number:** 43047530660000

**Lease Number:** Fee

**Surface Owner:** FEE (PRIVATE)

**Approval Date:** 10/17/2012

### Issued to:

EP ENERGY E&P COMPANY, L.P., 1001 Louisiana, Houston, TX 77002

### Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-84. The expected producing formation or pool is the GREEN RIVER-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

### Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

### Conditions of Approval:

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

The 9 5/8" casing string cement shall be brought back to surface to isolate base of moderately saline ground water.

Cement volume for the 7" intermediate string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 4450' MD as indicated in the submitted drilling plan.

Surface casing shall be cemented to the surface.

### Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this

well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

#### **Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels  
OR  
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website  
at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program  
- contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

#### **Contact Information:**

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office  
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office  
801-231-8956 - after office hours

#### **Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

**Approved By:**

**Approved By:**

A handwritten signature in black ink, appearing to read "J. Rogers", written over a horizontal line.

For John Rogers  
Associate Director, Oil & Gas



GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

January 8, 2014

EP Energy E&P Company, L.P.  
1001 Louisiana Street RM 2038D  
Houston, TX 77002

Re: APD Rescinded – Wiscombe 2-11B1, Sec. 11, T.2, R.1W,  
Uintah County, Utah API No. 43-047-53066

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on October 17, 2012. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective January 8, 2014.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason  
Environmental Scientist

cc: Well File  
Brad Hill, Technical Service Manager

